1- What is the difference between a proper fraction and an improper fraction, a mixed number, and the equivalent fractions, with illustrations and examples?

1

Proper fraction : a fraction its numerator is less than its denominator.

Improper fraction : a fraction its numerator is greater than or equal its denominator.

Mixed number : a number made up of a whole number and a proper fraction.

Equivalent fractions: fractions that name the same amount are called equivalent fractions

2- You have studied in the order of operations that there are operations that take place before the others. Explain to us the order of operations with an example as follows: multiplication, addition, subtraction, and parentheses

2

Mohamed went to school in 3 minutes and Omar went in 4 times the time of Mohamed and Ali went in a time less than Mohamed's time by two minutes. Calculate the total number of minutes that Mohamed, Omar and Ali went in.

The Egyptian Country spends on many projects in the field of road traffic, spent on the establishment of a large and spending the Middle road in Helwan area.

3

$\frac{2}{7}$ Million on health and. $\frac{9}{7}$ million on education and $2\frac{6}{7}$ million housing.

In light of the previous text complete.

1- Total expenditures of the Egyptian Country in all projects

2- Select what is a proper fraction and an improper fraction from the previous text

3- The difference between what Egyptian Country has spent on education and health

4- Convert the mixed number the previous text into an improper fraction

4

The procession of transferring royal antiquities

Egypt was able to dazzle the world with an important event related to ancient Egyptian antiquities, as royal antiquities were transferred from the Egyptian Museum located in Tahrir Square in central Cairo to its new location in the National Museum of Egyptian Civilization in Fustat, east of Cairo

complete the following

1-If the distance between the Egyptian Museum and New Fustat is 41 kilometers and the medical team wants to check the state of the antiquities 4 times, the procession will stop every kilometer to reassure the state of the antiquities.

2-If the weight of the antiquities to be transported is 625 tons, and the trucks equipped to transport the antiquities have a load of 5 tons

How many trucks will we need?

5

Omar and Layla watched the ceremonial reopening of the Rams Road, so they gathered information about this road that connects Karnak Temple in the north with Luxor Temple in the south

1- If Omar walked 5 km and Layla walked 5 times Omar's path, then the sum of his paths are the two

2- It was with Omar that he distributed 500 pounds to 5 security persons, and Sara had 4500 pounds, which she distributed to 9 security persons. Which of the security persons got a larger share? Was the one who took the money from Omar or Sarah?

The share of the security person who takes the money from Sarah greater than the share of the security person who was taken from Omar.

6

Journey to the road of rams

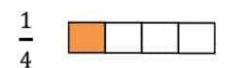
Habiba and Salma both want to take a trip to Luxor to see the road of rams, so they started looking for means of transportation and prices, and they found 4 ways to reach Luxor (plane - train - bus - ship)

1- If the bus seats are as in the figure, express this in the form of a fraction, explaining its type, then decompose it to its unit fractions.

2- If the ship's seats are as in the figure, express it in the form of a fraction, then compare the fraction number (1) and number (2).

1- What is the difference between a proper fraction and an improper fraction, a mixed number, and the equivalent fractions, with illustrations and examples?

Proper fraction : a fraction its numerator is less than its denominator.



Improper fraction : a fraction its numerator is greater than or equal its denominator.

$\frac{5}{4}$

Mixed number : a number made up of a whole number and a proper fraction.

$1\frac{1}{4}$

Equivalent fractions: fractions that name the same amount are called equivalent fractions.

$\frac{1}{2}$

$\frac{2}{4}$

2- You have studied in the order of operations that there are operations that take place before the others. Explain to us the order of operations with an example as follows: multiplication, addition, subtraction, and parentheses

Order of operations

First, perform any operations in parentheses.
Next, multiply and divide from left to right.

Then, add and subtract from left to right.

Mohamed went to school in 3 minutes and Omar went in 4 times the time of Mohamed and Ali went in a time less than Mohamed's time by two minutes. Calculate the total number of minutes that Mohamed, Omar and Ali went in.

$3 + 3 \times 4 + (3 - 2) = 3 + 3 \times 4 + 1 = 3 + 12 + 1 = 16$ minutes

The Egyptian Country spends on many projects in the field of road traffic, spent on the establishment of a large and spending the Middle road in Helwan area.

$\frac{2}{7}$ Million on health and. $\frac{9}{7}$ million on education and $2\frac{6}{7}$ million housing.

In light of the previous text complete.

1- Total expenditures of the Egyptian Country in all projects

$\frac{2}{7} + \frac{9}{7} + 2\frac{6}{7} = 2\frac{17}{7} = 4\frac{3}{7}$ million

2- Select what is a proper fraction and an improper fraction from the previous text

$\frac{2}{7}$ is a proper fraction $\frac{9}{7}$ is an improper fraction

3- The difference between what Egyptian Country has spent on education and health

$\frac{9}{7} - \frac{2}{7} = \frac{7}{7} = 1$ million

4- Convert the mixed number the previous text into an improper fraction

$2\frac{6}{7} = \frac{20}{7}$

The procession of transferring royal antiquities

Egypt was able to dazzle the world with an important event related to ancient Egyptian antiquities, as royal antiquities were transferred from the Egyptian Museum located in Tahrir Square in central Cairo to its new location in the National Museum of Egyptian Civilization in Fustat, east of Cairo

complete the following

1-If the distance between the Egyptian Museum and New Fustat is 41 kilometers and the medical team wants to check the state of the antiquities 4 times, the procession will stop every kilometer to reassure the state of the antiquities.

41 ÷ 4 = 10 R1

2-If the weight of the antiquities to be transported is 625 tons, and the trucks equipped to transport the antiquities have a load of 5 tons

How many trucks will we need?

625 ÷ 5 = 125

Omar and Layla watched the ceremonial reopening of the Rams Road, so they gathered information about this road that connects Karnak Temple in the north with Luxor Temple in the south

1- If Omar walked 5 km and Layla walked 5 times Omar's path, then the sum of his paths are the two

$5 + 5 \times 5 = 5 + 25 = 30$ km

2- It was with Omar that he distributed 500 pounds to 5 security persons, and Sara had 4500 pounds, which she distributed to 9 security persons. Which of the security persons got a larger share? Was the one who took the money from Omar or Sarah?

$500 \div 5 = 100$ LE

$4500 \div 9 = 500$ LE

The share of the security person who takes the money from Sarah greater than the share of the security person who was taken from Omar.

Journey to the road of rams

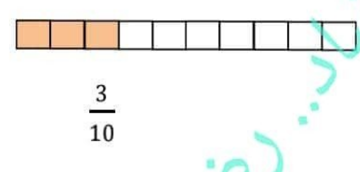
Habiba and Salma both want to take a trip to Luxor to see the road of rams, so they started looking for means of transportation and prices, and they found 4 ways to reach Luxor (plane - train - bus - ship)

1- If the bus seats are as in the figure, express this in the form of a fraction, explaining its type, then decompose it to its unit fractions.

$\frac{3}{5}$ is a proper fraction

$\frac{1}{5}+\frac{1}{5}+\frac{1}{5}=\frac{3}{5}$

2- If the ship's seats are as in the figure, express it in the form of a fraction, then compare the fraction number (1) and number (2).



$\frac{3}{10}$

$\frac{3}{5} > \frac{3}{10}$